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| 10/581,453 | 02/02/2007 | Masaetsu Takahashi | R21840502P502 | 2180 |
| 24998 7590 03/25/2010 DICKSTEIN SHAPIRO LLP 1825 EYE STREET NW Washington, DC 20006-5403 | | | | |
| EXAMINER | | | | |
| LO, KENNETH M | | | | |
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/581,453

Applicant(s)

TAKAHASHI, MASAETSU

Examiner

KENNETH M. LO

Art Unit

2189

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 December 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/C)
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date: _____

DETAILED ACTION

Status of Claims

1. Claims 1-15 are pending in the Application.

Response to Amendment

2. The Amendments as follows are accepted:

Arguments filed 12/15/2009 have been accepted for examination purposes.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-15 are rejected under 35 U.S.C. 102(e) as being anticipated by Ko et al [hereinafter Ko] (United States Patent US 6,765,853).

As per Claim 1, 6, 11, Kim discloses, "recording means for recording data accompanying user data in a Lead-Out area disposed outside a user data area to record the user data of a recording area of an information recording medium" [**"a write protection method for an optical disc recording and/or reproducing apparatus,**

wherein data recorded on a recordable or reproducible recording medium including a Lead-in area, a Lead-out area and a user data area” (Col 3, lines 10-30) “The rewritable data zone of each of the Lead-in area and the Lead-out area contain two defect management areas DMA 1, DMA 2 or DMA 3 and DMA 4 in which information about disc defects is written” (Col 4, lines 55-60) “FIGS. 4A and 4B are examples of the data structures of a disc certification flag and a group certification flag of the disc definition structure (DDS) area of the defect management area (DMA) that stores write protection information according to the present invention” (Col 5, lines 35-45)].

As per Claim 2, 7, 12, Kim discloses, “characterized in that said recording means includes means for recording a same attribute as an attribute of the user data area as an attribute of the Lead Out area disposed outside the user data area” [“**Also, a computer operating system adopts various attributes, e.g., read-only and write protection, which is capable of preventing an arbitrary change in written data using attributes of a file that stores the data.**” (Col 2, lines 20-30) “Meanwhile, the Lead-out area and the user data area are only formed of the rewritable data zone.” (Col 4, lines 50-60)].

As per Claim 3, 8, 13, Kim discloses, “content data recording means for recording content data in an information recording medium” [“**optical recording and/or reproduction for recording digital data on a disc and/or reproducing the data**

therefrom, and more particularly, to a write protection method and apparatus for protecting data recorded by a user on a write-once or rewritable medium from unwanted overwriting or erasing" (Col 1, lines 15-30)] "index information generating means for generating, for the content data, index information for referring to contents of the content data;" **[“The rewritable data zone of each of the Lead-in area and the Lead-out area contain two defect management areas DMA 1, DMA 2 or DMA 3 and DMA 4 in which information about disc defects is written, a disc test zone for use by a disc manufacturer in checking the status of the disc, a drive test zone for testing recording and reproduction operations in a recording/reproducing apparatus, a guard track zone for connecting each zone, and a disc identification zone.” (Col 4, lines 40-65)]** "index information recording means for recording the index information generated by said index information generating means in a Lead Out area disposed outside a user data area to record user data of a recording area of the information recording medium" **[“The rewritable data zone of each of the Lead-in area and the Lead-out area contain two defect management areas DMA 1, DMA 2 or DMA 3 and DMA 4 in which information about disc defects is written, a disc test zone for use by a disc manufacturer in checking the status of the disc, a drive test zone for testing recording and reproduction operations in a recording/reproducing apparatus, a guard track zone for connecting each zone, and a disc identification zone.” (Col 4, lines 40-65)]**

As per Claim 4, 9, 14, Kim discloses, "characterized in that said index information recording means records the index information generated by said index information generating means in the Lead Out area disposed outside the user data area to record the user data of the recording area of the information recording medium at a time after said content data recording means completes the recording of the content data in the information recording medium" [**"The rewritable data zone of each of the Lead-in area and the Lead-out area contain two defect management areas DMA 1, DMA 2 or DMA 3 and DMA 4 in which information about disc defects is written, a disc test zone for use by a disc manufacturer in checking the status of the disc, a drive test zone for testing recording and reproduction operations in a recording/reproducing apparatus, a guard track zone for connecting each zone, and a disc identification zone."** (Col 4, lines 40-65)]

As per Claim 5, 10, 15, Kim discloses, "characterized in that said index information recording means successively records the index information generated by said index information generating means in the Lead Out area disposed outside the user data area to record the user data of the recording area of the information recording medium during the recording of the content data in the information recording medium by said content data recording means" [**"The rewritable data zone of each of the Lead-in area and the Lead-out area contain two defect management areas DMA 1, DMA 2 or DMA 3 and DMA 4 in which information about disc defects is written, a disc test zone for use by a disc manufacturer in checking the status of the disc, a**

drive test zone for testing recording and reproduction operations in a recording/reproducing apparatus, a guard track zone for connecting each zone, and a disc identification zone.” (Col 4, lines 40-65)].

Response to Arguments

5. Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KENNETH M. LO whose telephone number is (571)272-9774. The examiner can normally be reached on Mon - Thu (7:30am - 6:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bragdon Reginald can be reached on 571-272-4204. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kenneth Lo
Art Unit 2189

/Reginald G. Bragdon/
Supervisory Patent Examiner, Art Unit 2189